

ABSTRACT OF THE DISCLOSURE

A rubber composition which is free of precursor of at least one carcinogenic nitrosamine, is capable of vulcanization at a temperature of between 95°C and 140°C, and has a vulcanization system which includes:

- 5                   a) sulfur;
- b) an accelerator compound;
- c) an ultra-accelerator compound;
- d) a vulcanization amine activator.

10                   A process for vulcanizing this composition in the manufacture of a new tire or in the repair and/or recapping of a worn tire.